ELECTRICAL SPECIFICATIONS:

1.) FREQUENCY RANGE:	700 - 2700 MHz
2.) IMPEDANCE:	50 OHMS
3.) INSERTION LOSS (MAX):	1.1 dB (ABOVE 7.78 dB SPLIT)
4.) AMPLITUDE BALANCE (MAX):	0.3 dB
5.) PHASE BALANCE (MAX):	5 DEGREES
6.) ISOLATION (MIN):	18 dB
7.) INPUT VSWR (MAX):	1.40 : 1
8.) OUTPUT VSWR (MAX):	1.20 : 1

MECHANICAL SPECIFICATIONS:

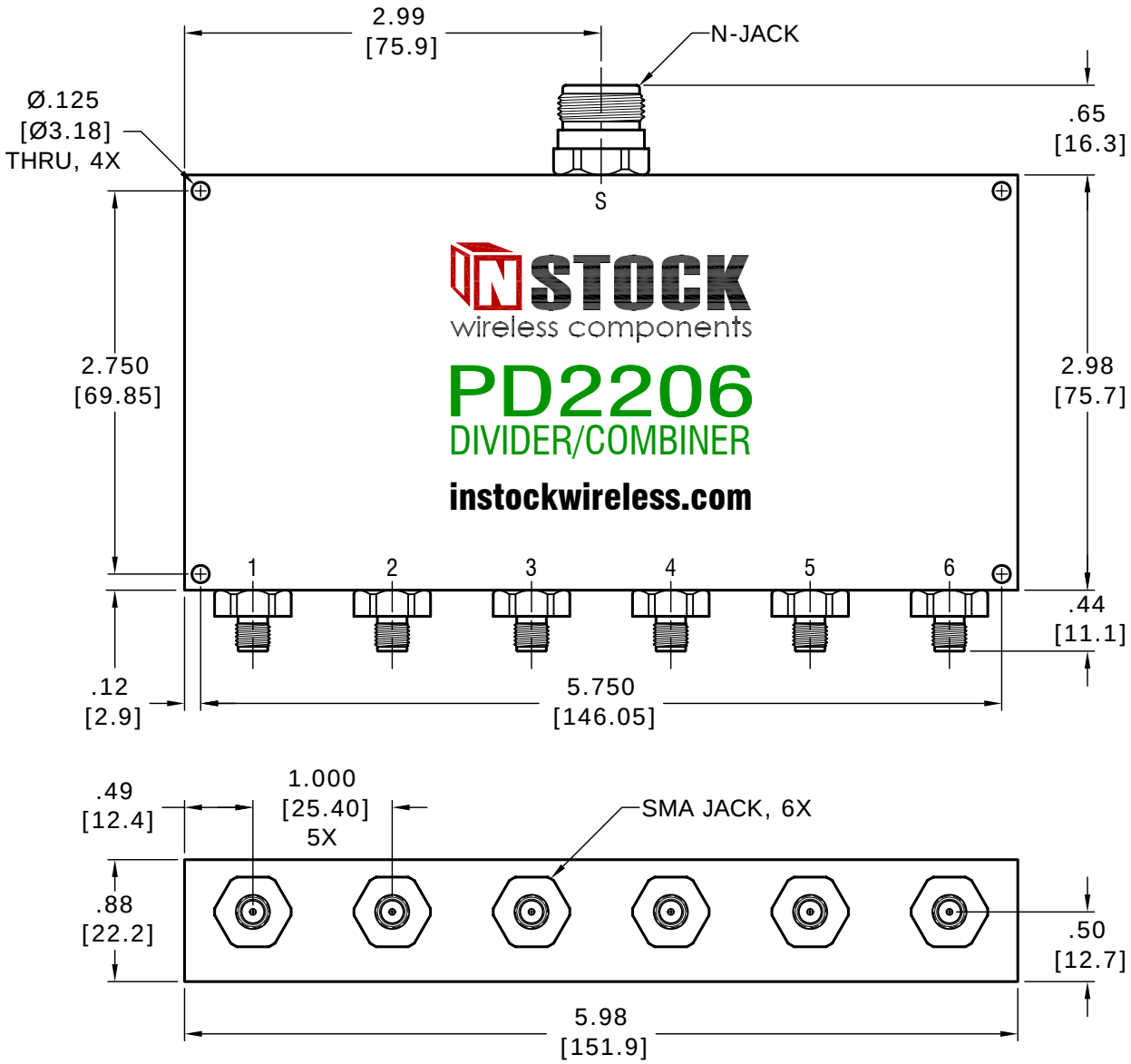
1.) CONNECTORS:	SMA & TYPE-N FEMALE (JACK), 50 OHM
2.) CONNECTOR BODIES:	BRASS, TRI-ALLOY PLATE
3.) CONNECTOR PINS:	BE CU & PHOSPHOR BRONZE, GOLD PLATE
4.) INSULATORS:	PTFE, VIRGIN ELECTRICAL GRADE
5.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
6.) SOLDER:	LEAD FREE, RoHS COMPLIANT
7.) OPERATING TEMP:	-65°C TO +85°C
8.) WEIGHT:	582 GRAMS

RF INPUT POWER RATING (POWER DIVIDER SPLITTER):

INTO MATCHED LOAD VSWR's	IN-PHASE	180° OUT-OF-PHASE
1.2 : 1	40 WATTS	40 WATTS
2.0 : 1	40 WATTS	20 WATTS
∞	20 WATTS	2 WATTS

RF INPUT POWER RATING (POWER COMBINER):

COHERENT SIGNALS (IN-PHASE)	6 X 6.67 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	6 X 0.33 WATTS
NON-COHERENT SIGNALS	6 X 0.66 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01 .000 = ±.004	.0 = ±.25 .00 = ±.10
DRAWN: MJD DATE: 03/29/07	APPROVED: EMM DATE: 03/29/07

INSTOCK wireless components
www.instockwireless.com

MODEL NO.
PD2206

TITLE 6 WAY POWER DIVIDER COMBINER, SMA & TYPE-N CONN, 0.7-2.7 GHz, 40W, 50 OHM, 0 DEGREE (IN-PHASE), RoHS